

# MATERIAL SAFETY DATA SHEET

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## Section 1

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For Chemical Emergency Only:

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## PRODUCT IDENTIFICATION:

## HAZARD RATING

**Blue RTV Silicone Instant Gasket**

1  
2 x 0

## Section 2 - HAZARDOUS INGREDIENTS INFORMATION:

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Methyltriacetoxysilane (4253-34-3)	*	*		2
Ethyltriacetoxysilane (1768-977-9)	*	*		2
Silica, Amorphous (7631-86-9)	6mg/m <sup>3</sup>	10mg/m <sup>3</sup> (total dust)		10

\*Observe limits for acetic acid, formed during curing on exposure to water or humid air.  
OSHA PEL: TWA 10ppm. ACGIH TLV: TWA 10ppm, STEL 15ppm.

## Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point:	NA	Specific Gravity (H <sub>2</sub> O=1):	1.04
Vapor Density (Air=1):	>1	Melting Point:	NA
Vapor Pressure (mm Hg):	<5mm @ 77 F	Evaporation Rate (Butyl acetate = 1):	NA
Solubility in Water:	Less than 0.1		
Appearance & Odor:	Blue colored paste with acetic acid (vinegar-like) odor.		

## Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method): >250 F (COC) Flammable Limits: LEL: NE UEL: NE  
Extinguishing Media: Dry chemical, foam or carbon dioxide.  
Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards: None known.

## Section 5 - REACTIVITY DATA:

Stability: Stable XX Conditions to Avoid: Exposure to air/moisture prior to use.  
Incompatibility (Materials to Avoid): Oxidizing material; air or moisture cause curing with acetic acid vapors being formed.  
Hazardous Decomposition Products: Silicon dioxide, carbon dioxide, traces of incompletely burned carbon products.  
Hazardous Polymerization: May Not Occur XX

**Section 6 - HEALTH HAZARD DATA:**

Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes

Health Hazards (Acute and Chronic):

Acute - Direct contact may cause eye/skin irritation. Inhalation may irritate mucous membranes. Ingestion of large amounts may cause digestive discomfort.

Chronic - Repeated or prolonged contact (24-48hr) may cause moderate skin irritation.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

**First Aid Procedures:**

Eye contact - Immediately flush eye with copious amounts of water for 15 minutes.

Skin contact - Irritation upon direct contact. Remove contaminated clothing and wash affected areas with soap and water. Prolonged or repeated contact can cause dermatitis in sensitive individuals.

Inhalation - Remove to fresh air. Get medical attention if ill effects persist.

Ingestion - No first aid should be necessary, however, consult with a physician as a precaution.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin and respiratory conditions.

**Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:**

Steps to Be Taken in Case Material is Released or Spilled: Material can be polymerized with water. Scrape up cured residue and place into container for disposal.

Waste Disposal Method: Dispose of in accordance with local, state, and federal EPA regulations.

Precautions to Be Taken in Handling and Storing: Use with adequate ventilation. Store below 90F/32C. Use reasonable care and caution. Recommended use is at ambient temperature (68-72 F).

Other Precautions: Avoid direct contact and avoid breathing vapors. Traces of formaldehyde may form if heated in air above 300F (149C). Provide ventilation during use to control acetic acid exposure within 10ppm or use respiratory protection.

**Section 8 - CONTROL MEASURES:**

Respiratory Protection (Specify Type): A NIOSH approved vapor canister may be used to maintain vapor concentration below TLV.

Ventilation: Local Exhaust: To maintain vapor concentration below TLV.

Mechanical (General): As needed.

Protective Clothing or Equipment: Safety glasses/goggles with side shields, rubber gloves and apron to protect skin and clothing.

Work/Hygienic Practices: Wash hands with soap and water after use. Launder contaminated clothing before reuse.

NE = Not established

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